Virginia Department of Transportation Fredericksburg District, Materials Section

Soil Survey Record

This subsurface information shown in the Soil Survey Record was obtained with reasonable care and recorded in good faith solely for use by the Department in establishing controls for the project. The Department has no reason to suspect that the information is not reasonably accurate as an approximate indication of the subsurface conditions at the sites where the borings were taken. The Department does not in any way warrant or guarantee that such data can be projected as indicative of conditions beyond the limits of the borings shown; and any such projections are purely interpretive and all together speculative.

Project: 609 Design-Build

Route : 609

County: Mathews

Logger: H

Herman Jenkins 03/09/2006

ins From: Sta. 105+00

To: Sta. 107+50

Note: Topsoil, Pavement and Subbase Aggregate are measured in feet.

STATION OR HOLE # FIELD DESCRIPTION OF STRATA			FIELD MOISTURE DETERMINATION					LABORATORY DATA							
	Depth		FROM	то	DEPTH TAKEN	SPT COUNT	DISH #	FIELD MOISTURE	O.M	M.D. Ibs/ft ³	L.L.	P.I.	% -#200	AASHTO	REMARKS
Topsoil	0.0 - 0.4	4			0.0 - 2.0	3-3-4-4	4	10.5							Offset 5' Rt of CL, on Shoulder
F-M SAND w/Silt, Tan, Firm, Moist	0.4 - 2.4	5			2.0 - 4.0	3-3-2-2	5	15.6							
Ditto - contains organics, Dark Gray	2.4 - 3.9	6			4.0 - 6.0	P-1-1-2	6	21.2							P = Push
F-M Silty SAND, Tan-Gray, Soft, Moist	3.9 - 6.0														
Topsoil	0.0 - 0.4	7			0.0 - 2.0	2-4-6-5	7	8.8							Offset 5' Rt of CL, on Shoulder
F-M SAND w/Silt, Tan, Firm, Moist	0.4 - 2.3	8			2.0 - 4.0	2-3-3-4	8	15.1							
Ditto - contains organics, Dark Gray	2.3 - 4.0	9			4.0 - 6.0	P-1-2-1	9	19.2							
F-M Silty SAND, Tan-Gray, Soft, Moist	4.0 - 6.0														
Topsoil	0.0 - 0.4	10			0.0 - 2.0	3-4-4-5	10	9.6							Offset 5' Rt of CL, on Shoulder
FMC SAND w/Silt, Tan , Firm, Moist	0.4 - 2.4	11			2.0 - 4.0	3-2-1-1	11	14.5							
F-M Silty SAND, Dark Gray, Soft, Moist	2.4 - 4.3	12			4.0 - 6.0	P-P-P-P	12	19.1							Wet below 4.3'
F-M Clayey SAND, Tan-Gray, Soft, Wet	4.3 - 6.0														
Topsoil	0.0 - 0.3	1			0.0 - 2.0	3-3-2-1	1	14.5							Offset 5' Lt of CL, on Shoulder
F-M SAND w/Silt, Tan, Firm, Moist	0.3 - 2.5	2			2.0 - 4.0	2-2-1-1	2	17.1							
CLAY w/Fine Sand, Tan-Gray, Soft, Moist	2.5 - 4.6	3			4.0 - 6.0	P-1-1-1	3	21.5							
F-M Clayey SAND, contains organics, Gray, Soft, Wet	4.6 - 6.0														
	Topsoil F-M SAND w/Silt, Tan, Firm, Moist Ditto - contains organics, Dark Gray F-M Silty SAND, Tan-Gray, Soft, Moist Topsoil F-M SAND w/Silt, Tan, Firm, Moist Ditto - contains organics, Dark Gray F-M Silty SAND, Tan-Gray, Soft, Moist Topsoil FMC SAND w/Silt, Tan , Firm, Moist F-M Silty SAND, Dark Gray, Soft, Moist F-M Clayey SAND, Tan-Gray, Soft, Wet Topsoil F-M SAND w/Silt, Tan, Firm, Moist CLAY w/Fine Sand, Tan-Gray, Soft, Moist F-M Clayey SAND, contains organics, Gray, Soft,	Topsoil 0.0 - 0.4 F-M SAND w/Silt, Tan, Firm, Moist 0.4 - 2.4 Ditto - contains organics, Dark Gray 2.4 - 3.9 F-M Silty SAND, Tan-Gray, Soft, Moist 3.9 - 6.0 Topsoil 0.0 - 0.4 F-M SAND w/Silt, Tan, Firm, Moist 0.4 - 2.3 Ditto - contains organics, Dark Gray 2.3 - 4.0 F-M Silty SAND, Tan-Gray, Soft, Moist 4.0 - 6.0 Topsoil 0.0 - 0.4 F-M Silty SAND, Dark Gray, Soft, Moist 0.4 - 2.4 F-M Silty SAND, Dark Gray, Soft, Moist 2.4 - 4.3 F-M Clayey SAND, Tan-Gray, Soft, Wet 4.3 - 6.0 Topsoil 0.0 - 0.3 Topsoil 0.0 - 0.3 F-M SAND w/Silt, Tan, Firm, Moist 0.3 - 2.5 CLAY w/Fine Sand, Tan-Gray, Soft, Moist 2.5 - 4.6 F-M Clayey SAND, contains organics, Gray, Soft, 4.6 - 6.0	Topsoil 0.0 - 0.4 4 F-M SAND w/Silt, Tan, Firm, Moist 0.4 - 2.4 5 Ditto - contains organics, Dark Gray 2.4 - 3.9 6 F-M Silty SAND, Tan-Gray, Soft, Moist 3.9 - 6.0 Topsoil 0.0 - 0.4 7 F-M SAND w/Silt, Tan, Firm, Moist 0.4 - 2.3 8 Ditto - contains organics, Dark Gray 2.3 - 4.0 9 F-M Silty SAND, Tan-Gray, Soft, Moist 4.0 - 6.0 Topsoil 0.0 - 0.4 10 FMC SAND w/Silt, Tan , Firm, Moist 0.4 - 2.4 11 F-M Silty SAND, Dark Gray, Soft, Moist 2.4 - 4.3 12 F-M Clayey SAND, Tan-Gray, Soft, Wet 4.3 - 6.0 Topsoil 0.0 - 0.3 1 F-M SAND w/Silt, Tan, Firm, Moist 0.3 - 2.5 2 CLAY w/Fine Sand, Tan-Gray, Soft, Moist 2.5 - 4.6 3 F-M Clayey SAND, contains organics, Gray, Soft, 4.6 - 6.0	Topsoil	FIELD DESCRIPTION OF STRATA Depth Sample # FROM TO Topsoil 0.0 - 0.4 4 F-M SAND w/Silt, Tan, Firm, Moist 0.4 - 2.4 5 Ditto - contains organics, Dark Gray 2.4 - 3.9 6 F-M Silty SAND, Tan-Gray, Soft, Moist 3.9 - 6.0 Topsoil 0.0 - 0.4 7 F-M SAND w/Silt, Tan, Firm, Moist 0.4 - 2.3 8 Ditto - contains organics, Dark Gray 2.3 - 4.0 9 F-M Silty SAND, Tan-Gray, Soft, Moist 4.0 - 6.0 10 Topsoil 0.0 - 0.4 10 F-M Silty SAND, Dark Gray, Soft, Moist 2.4 - 4.3 12 F-M Clayey SAND, Tan-Gray, Soft, Wet 4.3 - 6.0 10 Topsoil 0.0 - 0.3 1 F-M SAND w/Silt, Tan, Firm, Moist 0.3 - 2.5 2 CLAY w/Fine Sand, Tan-Gray, Soft, Moist 2.5 - 4.6 3 F-M Clayey SAND, contains organics, Gray, Soft, Moist 4.6 - 6.0	FIELD DESCRIPTION OF STRATA Depth Sample # FROM ITO TO DEPTH TAKEN Topsoil 0.0 - 0.4 4 0.0 - 2.0 F-M SAND w/Silt, Tan, Firm, Moist 0.4 - 2.4 5 2.0 - 4.0 Ditto - contains organics, Dark Gray 2.4 - 3.9 6 4.0 - 6.0 F-M Silty SAND, Tan-Gray, Soft, Moist 0.0 - 0.4 7 0.0 - 2.0 F-M SAND w/Silt, Tan, Firm, Moist 0.4 - 2.3 8 2.0 - 4.0 Ditto - contains organics, Dark Gray 2.3 - 4.0 9 4.0 - 6.0 F-M Silty SAND, Tan-Gray, Soft, Moist 4.0 - 6.0 0.0 - 2.0 0.0 - 2.0 FMC SAND w/Silt, Tan, Firm, Moist 0.4 - 2.4 11 2.0 - 4.0 F-M Silty SAND, Dark Gray, Soft, Moist 2.4 - 4.3 12 4.0 - 6.0 F-M Clayey SAND, Tan-Gray, Soft, Wet 4.3 - 6.0 0.0 - 2.0 0.0 - 2.0 F-M SAND w/Silt, Tan, Firm, Moist 0.3 - 2.5 2 2.0 - 4.0 CLAY w/Fine Sand, Tan-Gray, Soft, Moist 2.5 - 4.6 3 4.0 - 6.0	FIELD DESCRIPTION OF STRATA Depth Sample # FROM Sample # FROM ITO TO DEPTH TAKEN COUNT Topsoil 0.0 - 0.4 4 0.0 - 2.0 3-3-4-4 F-M SAND w/Silt, Tan, Firm, Moist 0.4 - 2.4 5 2.0 - 4.0 3-3-2-2 Ditto - contains organics, Dark Gray 2.4 - 3.9 6 4.0 - 6.0 P-1-1-2 F-M Silty SAND, Tan-Gray, Soft, Moist 0.0 - 0.4 7 0.0 - 2.0 2-4-6-5 F-M SAND w/Silt, Tan, Firm, Moist 0.4 - 2.3 8 2.0 - 4.0 2-3-3-4 Ditto - contains organics, Dark Gray 2.3 - 4.0 9 4.0 - 6.0 P-1-2-1 F-M Silty SAND, Tan-Gray, Soft, Moist 4.0 - 6.0 0 0.0 - 2.0 3-4-4-5 Topsoil 0.0 - 0.4 10 0.0 - 2.0 3-2-1-1 F-M Silty SAND, Dark Gray, Soft, Moist 2.4 - 4.3 12 4.0 - 6.0 P-P-P-P F-M Clayey SAND, Tan-Gray, Soft, Wet 4.3 - 6.0 0.0 - 2.0 3-3-2-1 Topsoil 0.0 - 0.3 1 0.0 - 2.0 3-3-2-1 F-M SAND w/Silt, Tan, Firm, Moist 0.3 - 2.5	Depth Soil Sample # FROM TO DEPTH TAKEN DISH # FROM TO DEPTH TAKEN DISH # TO DISH # TO	Depth Sample # FROM TO DEPTH TAKEN DISH # FIELD DISH # FIELD DISH # FIELD MOISTURE	Part Part	Soil Sample # FROM TO DEPTH SPT COUNT DISH # FIELD O.M M.D. Ibe/ft No. Ibe/ft I	FIELD DESCRIPTION OF STRATA Depth Sample # FROM To DEPTH TAKEN COUNT DISH # MOISTURE O.M Ibs/ft L.L.	FIELD DESCRIPTION OF STRATA Depth Sample # FROM TO DEPTH TAKEN COUNT DISH # FIELD O.M M.D. Ibs/ft3 L.L. P.I.	FIELD DESCRIPTION OF STRATA Depth Sample # FROM TO DEPTH TAKEN COUNT DISH # MOISTURE O.M IDSH# MOISTURE O.	FIELD DESCRIPTION OF STRATA Depth Sample # FROM TO DEPTH TAKEN COUNT DISH # FIELD O.M M.D. Ibs/ft ² L.L. P.I. % #200 AASHTO

Route 609 D-B Soil Survey.xls